

Graphical Symbols For Hydraulic Circuits

Basic symbols	Spool controls	Energy transformation	Energy control	Fluid treatment
PRESSURE OR RETURN LINE		GENERAL SYMBOL		
PILOT LINE		PUSH KNOB		
TWO OR MORE FUNCTIONS IN ONE UNIT		PUSH-PULL KNOB		
FLEXIBLE HOSE		LEVER		
UNION		SINGLE ACTING PEDAL		
CROSS		DOUBLE ACTING PEDAL		
CLOSED CONNECTION		PLUNGER		
DIRECTION OF MOVEMENT		PLUNGER WITH STROKE LIMITATION		
DIRECTION OF ROTATION		SPRING		
REGULATION POSSIBLE		ROLLER		
ELECTRIC		LEVER WITH ROLLER		
SOLENOIDS WORKING IN OPPOSITE DIRECTIONS		SINGLE SOLENOID		
DIRECTION OF ROTATION LOOKING AT SHAFT		PUSH/PULL SOLENOID		
PNEUMATIC		DIRECT PILOT OPERATED		
HYDRAULIC				
TEST POINT		PNEUMATIC / HYDRAULIC OPERATED		
SPRING		ELECTRIC MOTOR		
THROTTLE		OTHER CONTROL UNIT (NOT ELECTRIC MOTOR)		
PLUGGED PORT		INTERMEDIATE POSITION		
ROTARY UNION		PROPORTIONAL SPOOL		
DETENT		COUPLING		
RETURN ABOVE/BELLOW FLUID LEVEL		INTERNAL PILOT		
CHECK VALVE		DOUBLE ACTING DOUBLE ROD CYLINDER		
SHUT-OFF VALVE		ACCUMULATOR WITH GAS PRE-CARGE		
Measuring instruments and indicators				